Date: Thu, 21 Oct 93 04:30:18 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #85
To: Ham-Ant

Ham-Ant Digest Thu, 21 Oct 93 Volume 93 : Issue 85

Today's Topics:

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

Date: Tue, 19 Oct 1993 21:01:57 GMT
From: mailgate.mobil.com!dlpcbc!awful!lerami!cmptrc!carter@uunet.uu.net
Subject: 2m antenna for apartment?
To: ham-ant@ucsd.edu

In article <1993Oct14.154643.9647@news.vanderbilt.edu>
HEAGYWS@ctrvax.Vanderbilt.Edu () writes:
>I have heard of 'stick on window' type
>antennas...what are the opinions on these. I also do a lot of traveling and
>have seen antennas you can roll up and put in your pocket. Do these things
>work or is it just a lot of hype?

Well, yes and no. They do work, and they are worth making, but they're not
usually worth paying a professional to make!

I have a great deal of success in my apartment with a 2m vertical dipole.
It's just what it sounds like. It's two 19" legs center fed with RG-58 and
masking taped to the wall high in the "shack". [And I _never_ worry about
lightning much!]

There are some folks I know who've had success with a J-pole configuration taped to the wall. Given the ambient conditions, I can't see that it would perform _much_ differently.

With a little extra effort, you can go to the trouble of making it look better than it might otherwise. But the cost outlay shouldn't be more than $4 or $5 if you buy all the parts new! Don't pay someone $10 - $30 for something like that,

Admittedly, that's not going to be a vast improvement over the extended whip that you mention you purchased, but it will likely be _a_little_ better, if for no other reason than getting it up and extra foot, making it stationary and getting it closer to the outdoors.

Most of the roll-up type antennas are pretty much what I've descibed. If you decide that's the way to go, try your hand at building one.

Now there are some pretty fancy window-mount antennas, too. Sometimes they clamp into the window apeture or maybe bolt at the bottom of the window and lean outward. Those can work all right, and they get the antenna OUTSIDE. That can make a big difference all by itself - especially if you live in an apartment that's as much metal as wood!

If your telescoping whip works well if you stand inside and hold the antenna out the window, and that's the kind of performance you'd be happy with, you might want to modify a mobile/magnetic mount antenna for window service.

But given that 2m antennas are generally so short, I'd recommend a crack at home-brew.

Cheerio!
--
Carter R. Bennett, Jr. - Scientist|"Tai-Kwon Leep is not a path to a door,
carter@scilab.lonestar.org - home | but a road leading forever to the
carter@cmptrc.lonestar.org - work | horizon." - Li Fong
KI5SR |"Kinda like UUCP mapping." - Carter Bennett

Date: 20 Oct 1993 13:45:21 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!news.acns.nwu.edu!
casbah.acns.nwu.edu!rdewan@network.ucsd.edu
Subject: dfdk dfkd fkdf kd dfkdf kdf dk fkd fk dfkdfkdf dk fd fkdf dkd fdfkdf
dfkds
To: ham-ant@ucsd.edu

In article <93292.53563.6177630@LMSC5.IS.LMSC.LOCKHEED.COM>,

 <6177630@LMSC5.IS.LMSC.LOCKHEED.COM> wrote:
>Hello, I have the GAP IV for 160-20 meters, except 30M. It works outstanding on
> 160 (200kc wide between 2 to 1 SWR points) and is a real fantastic DX antenna
>for 80 meters. I strongly recommend it.
>73 de Greg, N6GK
>

I have one for sale. It has been up for 10 months and works just fine.
I have worked a 108 countries on 40m with this antena in 10 months.

AES Price: $390
  Dacron Guy: $60
  Shiping: $20 +

               $470.

My price: $235 shipped including guys. You will have to get a new support
bracket from GAP in Florida. (or make one yourself - easy).

Includes all paper/instructions that came with it.

Rajiv
aa9ch
r-dewan@nwu.edu

Date: 19 Oct 93 13:32:17 GMT
From: ncrgw2.ncr.com!ncrhub2!torynews!ncrlnk!ncrwic!donald!kthompso@uunet.uu.net
Subject: dual band on the glass?
To: ham-ant@ucsd.edu

dbushong@wang.com (Dave Bushong) writes:

)kb2glo@cbnewsj.cb.att.com (thomas.kenny) writes:

)>I have a Larsen dual band (2m/70cm) on the glass antenna and the
)>is great but 2 meters isn't so good.... I was wondering if anybody
)>knows of any other manufacturers which have a dual band on the
)>glass antenna and how well it works.

)You didn't mention how well the antenna works. I was thinking about
)one for my car, but didn't know if it was worth the 60 bucks plus
)sixty more for the duplexer.......

I have Larsen glass mounts. From my experience and those of others my
advice is to only mount antenne in the center of one's roof! Punch to hole.

It will make it cellular ready for the next guy.

--
Ken Thompson   N0ITL
Disk Array Hardware Development
Peripheral Products MPD-Wichita
NCR Corp. an AT&T company
3718 N. Rock Road Wichita,Ks 67226
(316) 636-8783
Ken.Thompson@wichitaks.ncr.com

Date: 20 Oct 93 21:54:44 GMT
From: ogicse!uwm.edu!spool.mu.edu!sdd.hp.com!col.hp.com!fc.hp.com!
goris@network.ucsd.edu
Subject: SWR measurements are too good!
To: ham-ant@ucsd.edu

Kevin Sanders (kevin@TorreyPinesCA.ncr.com) wrote:

:I am building an 8-element yagi-uda antenna for 220 MHz. The antenna itself
:is complete, now I'm working on the feed. I'm using a standard gamma match.
:The elements are solid aluminum stock, about 3/16" diameter. I used a piece
:of copper wire for the matching section, and have a sliding shorting bar for
:tuning.

:I connected the meter with a 2-foot coax jumper to the antenna for the
:tests.

:Problem is, my SWR measurements are too good (almost unmeasurable reverse
:pwr).
:More troublesome is the fact that the position of the shorting bar makes
:almost no difference in the readings...*even removing the shorting bar*
:makes very little difference.

:My question is, where is my power going? Where is the SWR dip I expected to
:see? The antenna appears to work OK, so should I care? I can't believe the
:antenna is so wide-band that I can't find an SWR over 1.1:1 anywhere in the
:220 band, no matter where the shorting bar is or whether I use one.

:Oh, if it makes any difference (I don't think it should), I'm using 100 ft
:of RG-58 coax between the meter and the transceiver. Lossy as heck I know,
:(35 watts out becomes 5 watts at the antenna!) but this is just for testing.

Kevin...you just answered your own question. The lossy coax IS the problem,
presuming that your SWR meter is at the radio. If 35 Watts at the Xmtr
becomes 5 watts at the antenna, and you had infinite:1 SWR at the antenna,

all of the energy at the antenna (only 5 watts) would head back to the transmitter, and get attenuated down to .71 W reflected power by the time it got back to the transmitter. In this case I calculate you would get 1.3:1 SWR. And thats with a short or open at the antenna end! Just about anything else will absorb some power, and lower your SWR. Your results exactly match theory. Disconnect your antenna entirely and see if you get 1.3:1 SWR.

-Andy Goris
 AA0CM
 goris@fc.hp.com

Date: Wed, 20 Oct 93 18:12:29 GMT
From: ncrgw2.ncr.com!ncrhub2!torynews!kevin@uunet.uu.net
Subject: SWR measurements are too good!
To: ham-ant@ucsd.edu

GM GA GE all,

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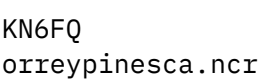
Thanks in advance for any helpful insights!

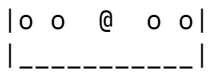
--

  Kevin Sanders, KN6FQ
  kevin.sanders@torreypinesca.ncr.com



Try Boatanchors

kevin%beacons@cyber.net



For A Real Lift

End of Ham-Ant Digest V93 #85
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